

Cellodextrinase 5A from Ruminococcus flavefaciens, Recombinant

Cat. No. NATE-1449 Lot. No. (See product label)

3.2.1.74; Cellodextrinase

Introduction	
Description	Glucan 1,4-beta-glucosidase (or 4-beta-D-glucan glucohydrolase) is an enzyme that catalyses the hydrolysis of (1->4)-linkages in 1,4-beta-D-glucans and related oligosaccharides, removing successive glucose units. This is one of the cellulases, enzymes involved in the hydrolysis of cellulose and related polysaccharides; more specifically, an exocellulase, that acts at the end of the polysaccharide chain.
Svnonvms	exo-1.4-β-qlucosidase: exocellulase: exo-β-1.4-glucosidase: exo-β-1.4-glucanase: β-1.4-β-glucanase: β-

glucosidase; exo-1,4- β -glucanase; 1,4- β -D-glucan glucohydrolase; glucan 1,4- β -glucosidase; EC

Product InformationSpeciesRuminococcus flavefaciensSourceE. coliFormSb mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl2, 0.02% sodium azide and 25% (v/v) glycerolFC NumberEC 3.2.1.74CAS No.S7288-52-1Molecular Weight0.7 kDaPurity90% by SDS-PAGEConcentration0.25 mg/mLOptimumpet7SpecificityCloextrinsBerdificityCloextrinsSpecificityCloextrins		
SpeciesRuninoccus flavefaciensSourceESourceEFormSimMNafleps buffer, pH 7.5, 750 mM NaCl, 200 mM inidazol, 3.5 mM CaCl, 200 mM and 25% (v/v) glycerolFormCFormCCAS No.CJolescalJolescalAdexanaDValorSingescalParitySingescalOptimumCJolescalJolescalOptimumJolescalSpecificityBiology constrainedSpecificityConstrainedSpecificity <th colspan="2">Product Information</th>	Product Information	
SourceE. coliFormSourceallSourceFormSourceCA NumberCl 32.1.74AllSourceAllSourceAllSourceAllSourcePoritySourceObstreamSourceOptimumeSourceSpecifictyElouationBookElouationSourceSourceSpecifictyElouation	Species	Ruminococcus flavefaciens
FormSimM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl2, 0.02% sodium azide and 25% (v/v) glycerolEC NumberEC 3.2.1.74CAS No.J7288-52-1MolecularJ0788-52-1Purity90% by SDS-PAGEConcentration0.25 mg/mLOptimum pH7J30% CalcularOptimum pH0.1SpecificityCeloactionDispecificityCeloaction	Source	E. coli
EC NumberEC 3.2.1.74CAS No.3728-52-1Molecular Weight40.7 kDaPurity>90% by SDS-PAGEConcentration0.25 mg/mLOptimum pH7SpecificityCollodextinsBereificityCollodextins	Form	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl2, 0.02% sodium azide and 25% (v/v) glycerol
CAS No.37288-52-1Molecular Weight40.7 kDaPurity>90% by SDS-PAGEConcentration0.25 mg/mLOptimum pH7SpecificityColoextrins	EC Number	EC 3.2.1.74
Molecular Weight40.7 kDaPurity>90% by SDS-PAGEConcentration0.25 mg/mLOptimum pH7SpecificityClobextrins	CAS No.	37288-52-1
Purity>90% by SDS-PAGEConcentration0.25 mg/mLOptimum pH7Optimum generature37 °CSpecificityCellodextrins	Molecular Weight	40.7 kDa
Concentration0.25 mg/mLOptimum pH7Optimum temperature37 °CSpecificityCellodextrins	Purity	>90% by SDS-PAGE
Optimum pH7Optimum temperature37 °CSpecificityCellodextrins	Concentration	0.25 mg/mL
Optimum 37 °C temperature Specificity Cellodextrins	Optimum pH	7
Specificity Cellodextrins	<i>Optimum temperature</i>	37 °C
	Specificity	Cellodextrins

Storage and Shipping Information

Storage This enzyme is shipped at room temperature but should be stored at -20 °C.